

FIG. 1 (PRIOR ART)

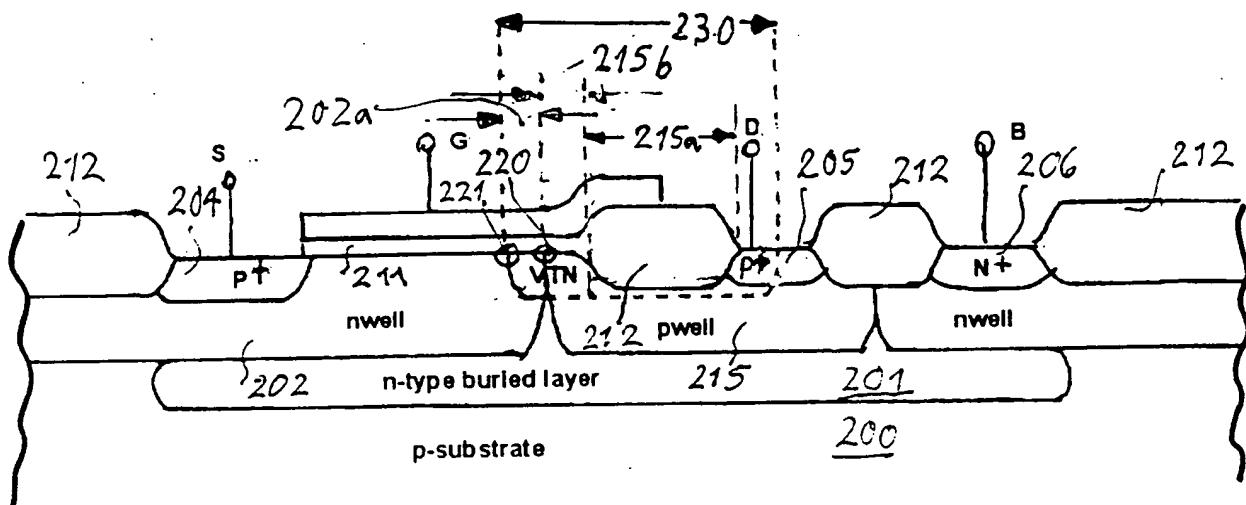
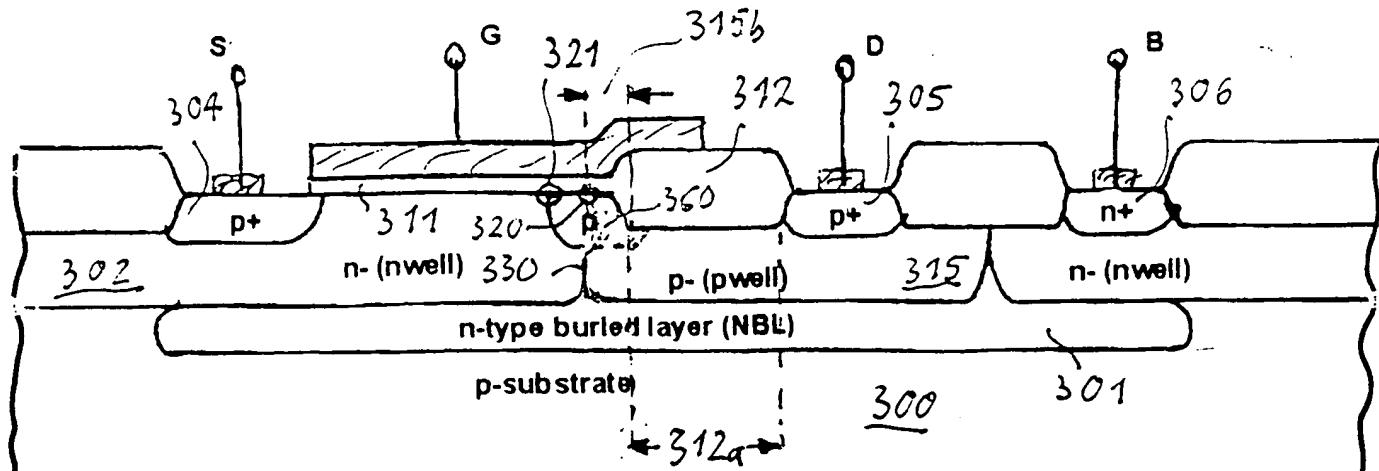
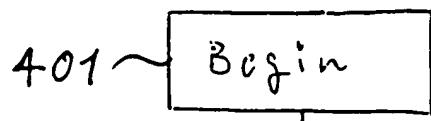


FIG. 2



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FIG. 3



400

402 ~ Providing a ^{first} well of a first conductivity type, operable as the extension of the transistor drain of the first conductivity type and covered by a first insulator having a first thickness, and a ^{second} well of the opposite conductivity type, intended to contain the transistor source of the first conductivity type and covered by a second insulator thinner than the first insulator, the first and second wells forming a junction that terminates at the second insulator

403 ~

Depositing a photoresist layer over the wafer

404 ~

Patterning the photoresist layer by opening a window laterally extending from the drain to the junction termination

405 ~

Implanting ions of the first conductivity type through the window into the first well, the ions having an energy to limit the penetration to the first insulator thickness, and a dose to create a well region of high doping concentration adjacent to the junction termination

406 ~ End

FIG. 4

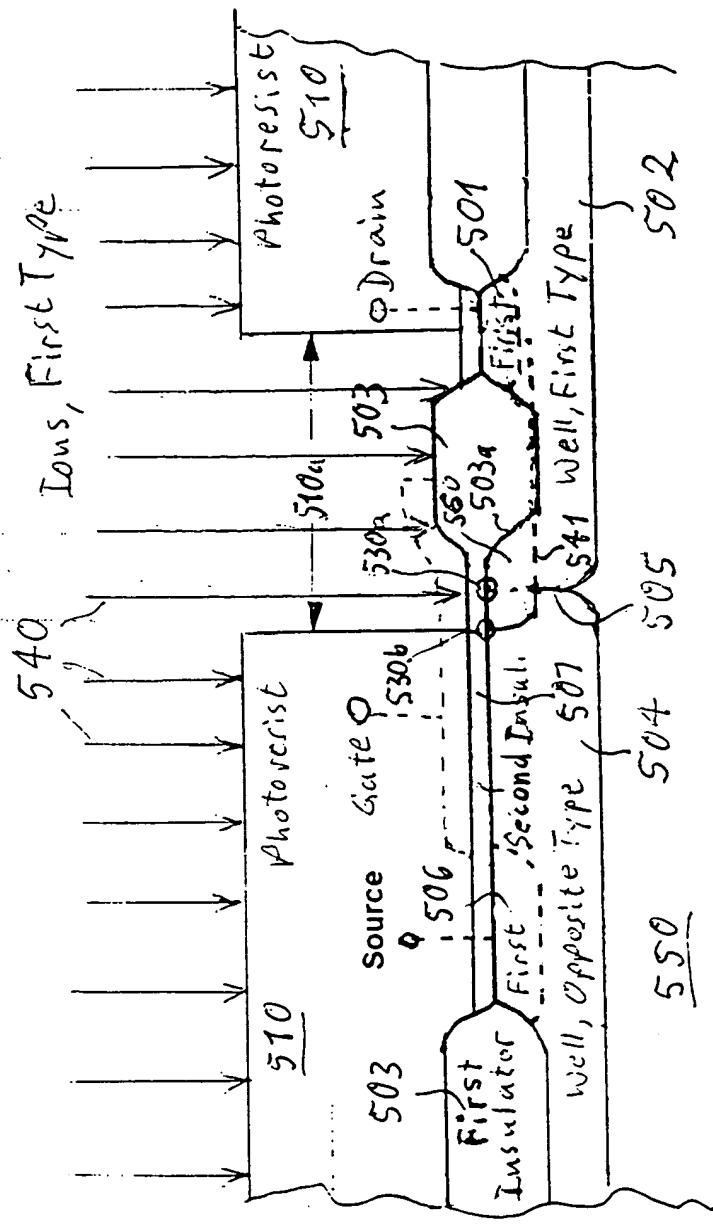
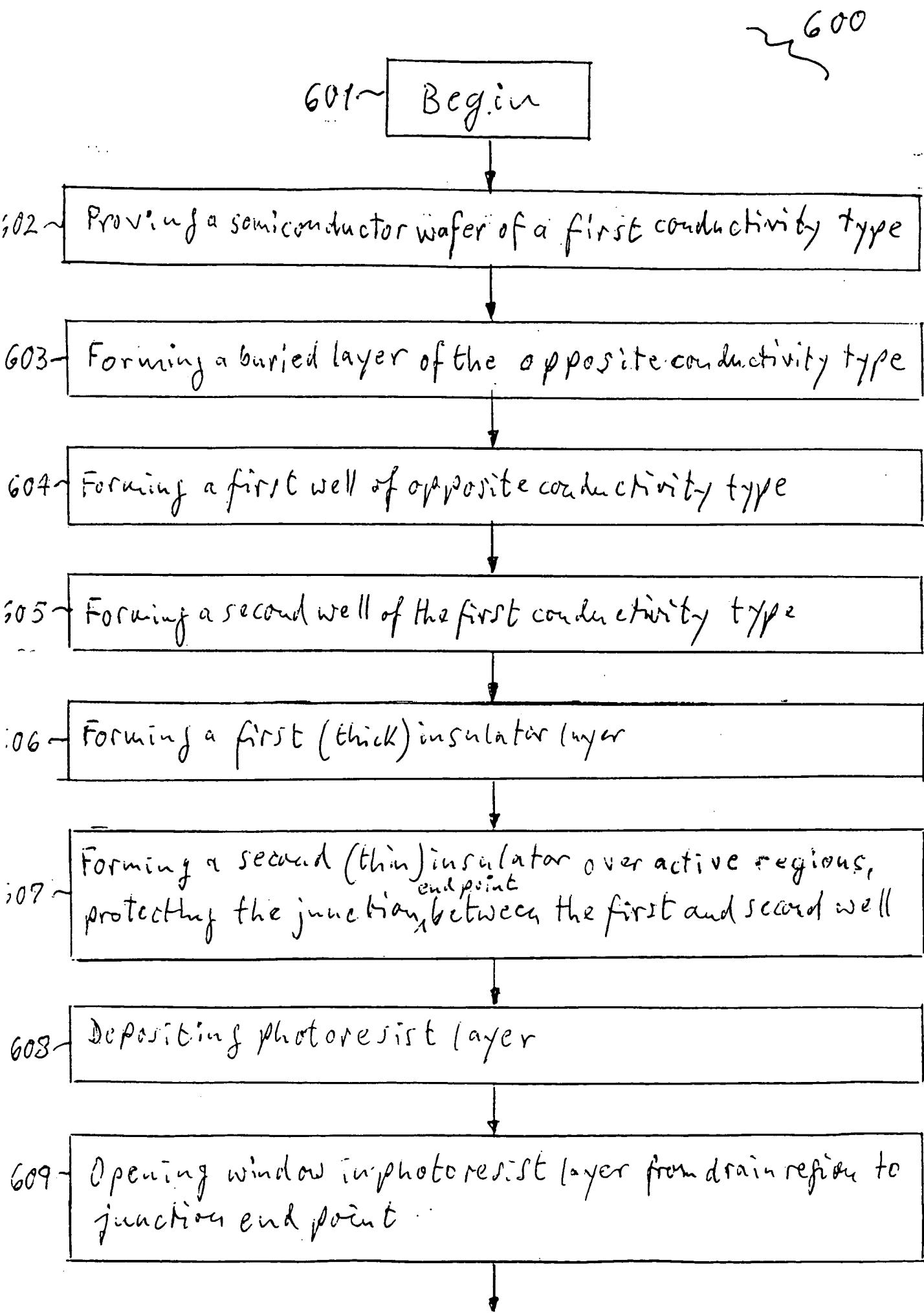


Fig. 5



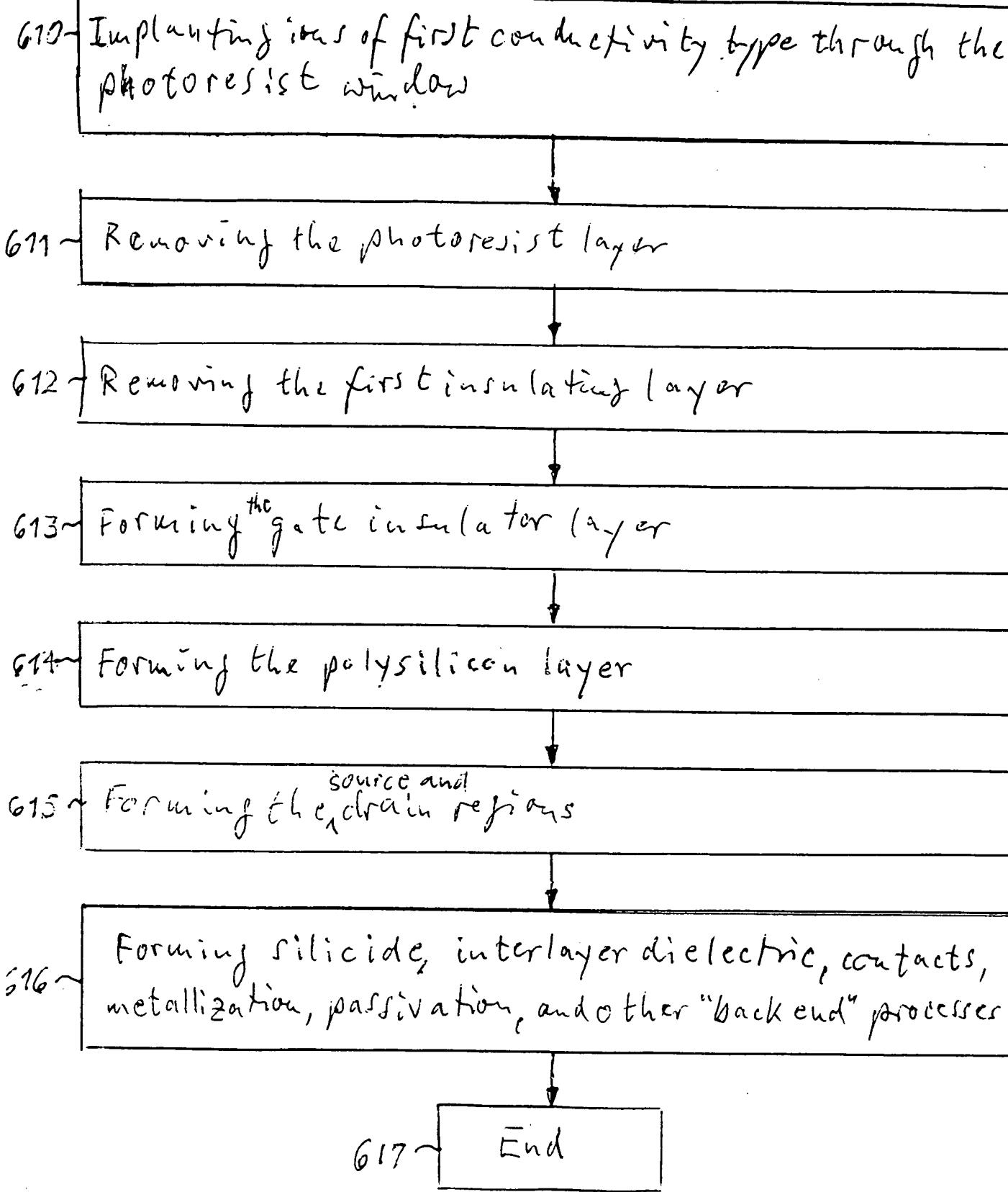


FIG. 6

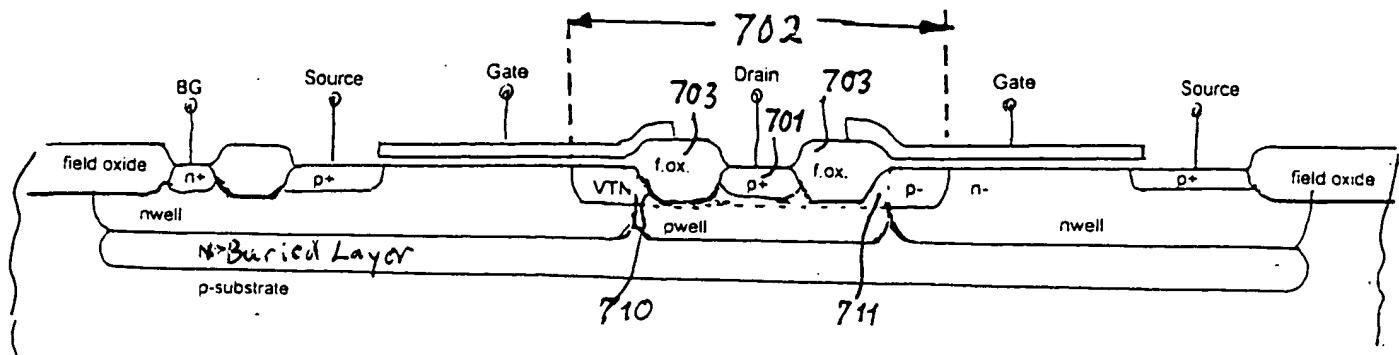


FIG. 7

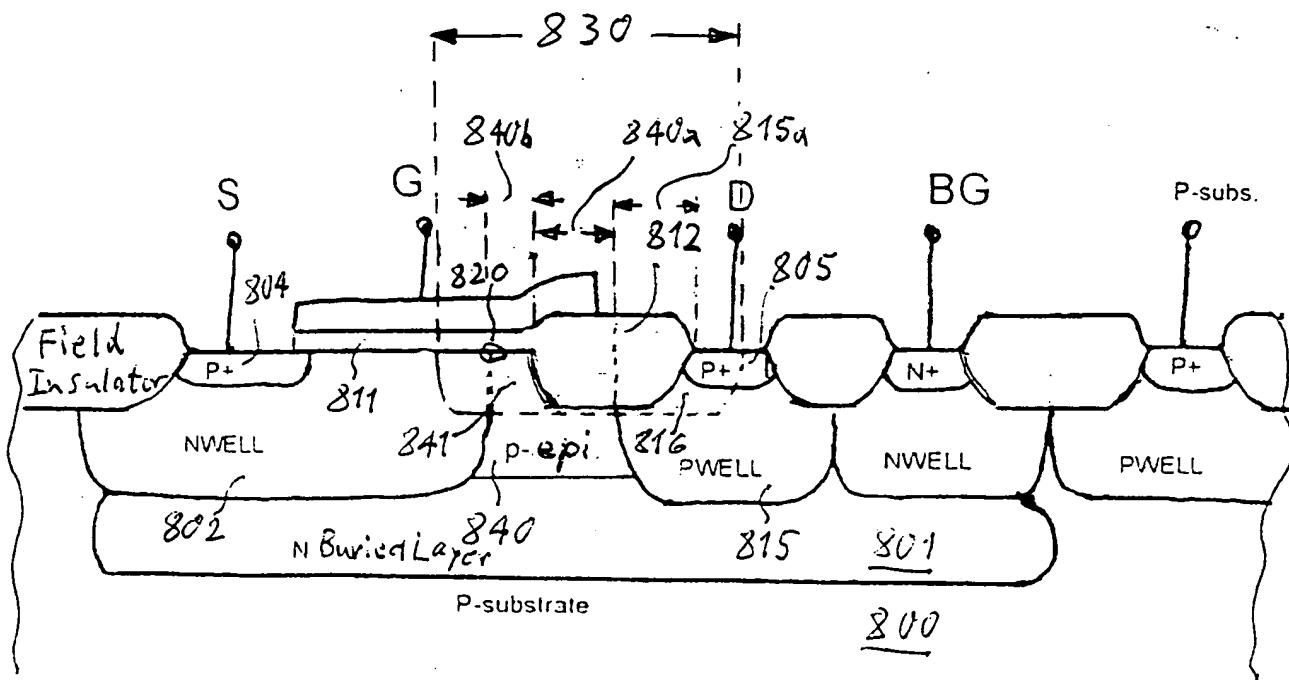
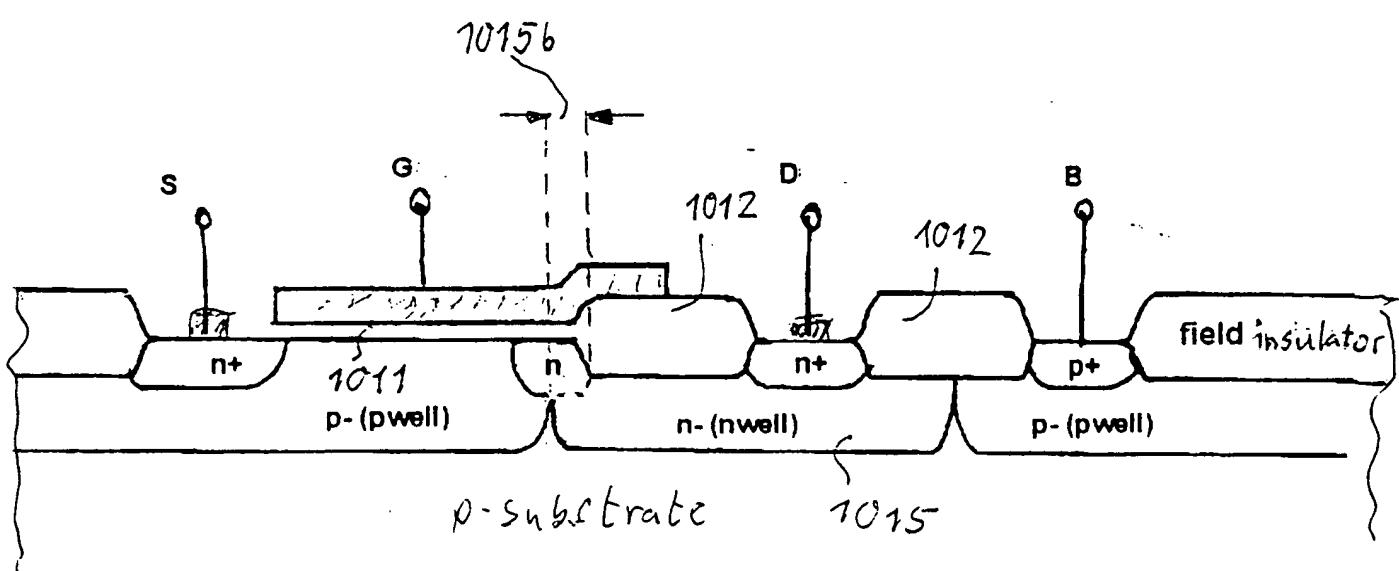
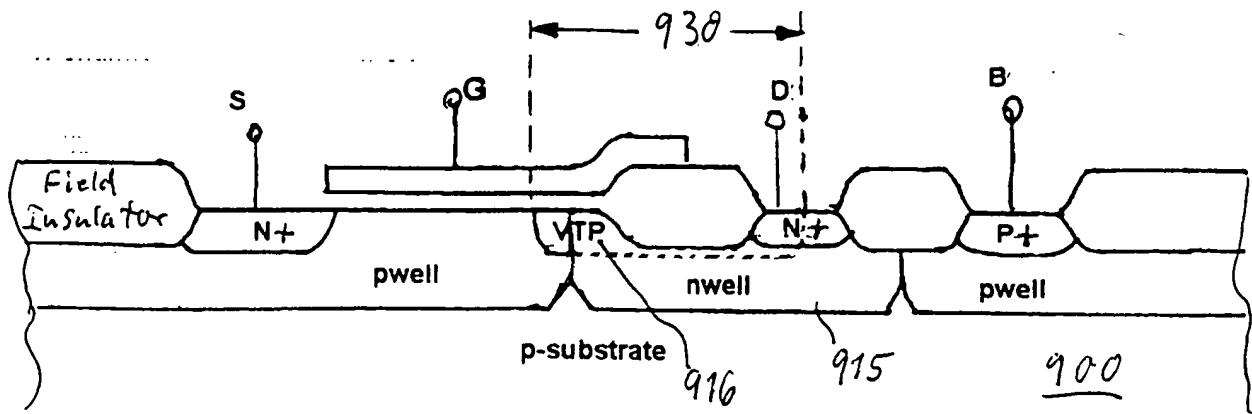


FIG. 8



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